

**Micronesia - V6 Sho JA7HMZ and Masa JH7IOS** will operate as V63DX and V63CW from Pohnpei, Federated States of Micronesia (ex-Eastern Caroline Islands) May 22-28. 160-6 meters, including the new bands, CW and SSB. QSL to Shoji Igawa JA7HMZ, Yokobori, Ogachi, Akita 019-02, Japan. Sunrise 2015Z, sunset 0835Z.

**American Samoa - KH8 JA3JA and JA3JM/AA5K** will operate from American Samoa as KH8/JA3JA and AA5K/KH8 May 29-June 1. All bands 160-10 meters, including the new bands, CW, SSB, and RTTY, with barefoot Icom rigs and verticals and inverted-vees. QSL to Aiko Shimizu JA3JM, 3-6-22 Kasugaoka, Fujidera, Osaka, Japan. Sunrise 1740Z; sunset 0455Z.

**Tonga - A5** The same two ops will be on as A35J and A35K (or A35JA and A35JM) June 1-5. Same info.

**Edited by Chod Harris VP2ML**

# The DX Bulletin

America's Premier Weekly Amateur Radio Publication

## Islands On The Air

- **CU35MB** will be active from Tereira Island (EU-003) in the Azores May 2-May 3, on the usual DX frequencies. QSL direct to CU3AN, Box 157, 9702 Angra do Heroismo Codex, Azores.
- **S79CK/D** is active from Desroches (AF-033) until May 5. QSL via operator I4LCK.
- **F2EE/P** will be on from Sein Island (EU-068) May 9-11.
- **FO5BI** will operate from Nengonengo Island (OC-066) May 1-15. He will go on to Pukarua Atoll (OC-???) afterwards; exact dates not yet known.
- The **IOTA Directory** is now available to North American IOTA chasers from Dewitt Jones W4BAA, P.O.Box 379, Glen Arbor MI 49636, for \$8, postpaid.

## Shortly Noted

- **TU4SR** is once again active, until mid-June. Mark OH8SR will operate from the QTH of TU2MA. QSL via OH8SR.
- **PA3CXC/ST0** was supposed to be active now, but we have not received any reports. John was also supposed to be active from Uganda; again, no word nor reports.
- **UB5WJD** and **UB5WUS** from Lvov, Ukraine, will be active in May by N0ISL and KK4WW, all bands and modes, especially AMTOR. QSL home calls.
- **UA4LIS** and **UA4LWW** will be the Ulyanovsk, Russia, calls of same two ops, also in May.
- **A71AL** is the Qatar call of SP5EXA.
- **DLs/HB0** will be active from Liechtenstein to May 3, on 160-VHF. Look for DF1AL, DL5UL, DL6SBW, DL2SCJ, and DG5SCJ. (Thanks OK-DXpress.)
- **CZ7Z** will be active from Prince George May 29-31. A special QSL is available from VE7ZZZ.
- **CK3** prefixes may be used by Windsor, Ontario, VE3s May 17-30, in commemoration of the 200th anniversary of the arrival of John Graves Simcoe, the first Lieutenant-Governor of Upper Canada. QSL corresponding VE3.
- **5R8GW** recently said he going QRT because of 'licensing problems.' QSL via F6FNU, with a tip for Antoine in addition to return postage.
- **9X5HG** Hartmut Gumpert is often on 21021 kHz at 01-0200Z, depending on his work schedule. He likes to rag-chew. QSL direct only, to him at BP 420, Kigali, Rwanda. He reports that Wolfgang 9X5SW has left for Antigua, and Hans 9X5NH returns to Germany in September.
- **SSB Net check-ins:** 14227: (11, 22Z) 7Q7RM HL9TK S79KMB Z21JE 5N4SGB VK9LA JY9ZK VK0NE UH8Y; 14236: (2330Z) A41JZ 9K2CS; 14256: (2330Z) S92AA YK1AO 6T2YD; 21313: (18Z) 8Q7PJ; 21335: (14Z) KE9OZ UJ8KA YK1AO ZC4ST UI8ZAA ZS9A 4N2DX UI8ZAA.
- **RTTY:** Spots: 9X5LJ 14073 0150Z; 6W1QB 28089 1630Z; ZA1TAA 14085 0420Z; TR8MD 14086 1700Z; A22BW 28089 1030Z; TZ6BGE 21083 1710Z; VQ9QW 21086 1845; P29BT 21085 1120Z; 3C1EA 14086 0700Z; SU1AH 14084 0510Z.
- **QSL News:** The SouthEastern DX Club reports handling some 4,000 XY0RR QSL cards during Romeo's recent visit to the US. D2ACA were also available at the Dayton convention.
- **Island On The Air spots:** 21260/14260 kHz: YV7OR (SA-012); N1DL (NA-052); IK1ACX/C6A (NA-001); HP1XSO/HP7 (NA-170); DL0KBM (EU-047); NR1V (NA-055); LA6BQ (EU-055); GM0DJI (EU-012); KD7EC/P (NA-092). Others; PY1ZAK 28727 1510Z daily; VE1CWA (NA-010) 14227 0240Z; DA0HEL (EU-127) 14028 0615Z.



## Propagation

### Forecast and Historical Data

Day Forecast	27 Days Before	55 Days Before
May 1992	Date Flux A K	Date Flux A K
01 High Normal	04/04 154 10/12 2	03/08 182 09/11 2
02 High Normal	04/05 154 11/13 2	03/09 172 16/14 2
03 Below Normal	04/06 143 28/25 2	03/10 169 14/16 3
04 Low Normal	04/07 142 15/18 2	03/11 165 13/19 2
05 Low Normal	04/08 145 12/17 3	03/12 164 11/11 0
06 High Normal	04/09 140 06/07 1	03/13 165 04/07 0
07 High Normal	04/10 141 03/06 1	03/14 165 04/05 1
08 High Normal	04/11 143 03/05 2	03/15 169 10/09 2
09 High Normal	04/12 144 02/06 0	03/16 161 10/13 3
10 High Normal	04/13 146 05/09 2	03/17 159 21/21 5
11 High Normal	04/14 154 05/09 2	03/18 160 11/13 2
12 High Normal	04/15 149 08/09 1	03/19 167 02/06 1
13 High Normal	04/16 158 02/06 0	03/20 169 01/06 2
14 Above Normal	04/17 184 04/07 0	03/21 168 17/19 3
15 High Normal	04/18 203 15/16 2	03/22 161 12/17 1
16 High Normal	04/19 206 12/15 2	03/23 166 21/22 4
17 High Normal	04/20 205 18/18 1	03/24 176 11/18 2

### Propagation Watch

Solar activity levels have remained low. This is both good news and bad news for DXers. The good news is that propagation, especially on the difficult long and polar paths, has been very good. This is due to a combination of the normally enhanced propagation around the equinox, and a very stable geomagnetic field.

For example, many DXers commented that the S2/HA5BUS operation on 10-meter long path was the first time they has observed that opening. Actually, the opening is often there, but seldom do stations at both ends of the path make a concerted effort to use it. Putting a W6 in Bangladesh on one end of the path, and hundreds of six-land DXers hungry for Bangladesh on the other 'opened' this seldom-exploited path. In general, the very quiet geomagnetic field has provided some very workable openings not normally seen by many DXers.

The bad news is that the very quiet geomagnetic field is due to a dramatic drop in solar activity. Tad Cook KT7H, who writes the ARRL propagation bulletin, notes that solar flux levels are down 25%, sunspot area is down by 50%, and energetic solar events are down 90%, in a single month. We are overdue for an end to the excellent high-band openings of the past few years. Sunspot Cycle 22 will turn sharply downward soon; we may have just observed the beginning of that downslide.

This means that DXers should make the most of any openings on the higher bands, before we edge into the summer conditions, when maximum useable frequencies are lowered by intense D-layer absorption.

On a more specific note, Sunspot Region 7135, which showed potential for serious flare activity, instead began to decay while still visible. This greatly reduces the chances of a major flare in the next week. Region 7143 shows magnetic complexity, but has been quiet so far.

Look for a continuation of the good conditions, with good long- and polar-path openings when the geomagnetic field is quiet. Look, listen, and call CQ DX on the long path, both to the west in the evening, and to the east at local dawn (on 15-10 meters). Good hunting!

## Father Moran 9N1MM - Memorial Fund

Ed Blaszczyk N7EB, long-time QSL manager for Father Moran 9N1MM, reports that a memorial fund has been established in Father Moran's name. Contributions and requests for information about this fund may be sent to Rev. R.G. Willmes S.J., 2059 N. Sedgwick, Chicago IL 60614.

### USSR 'Callbooks' Received

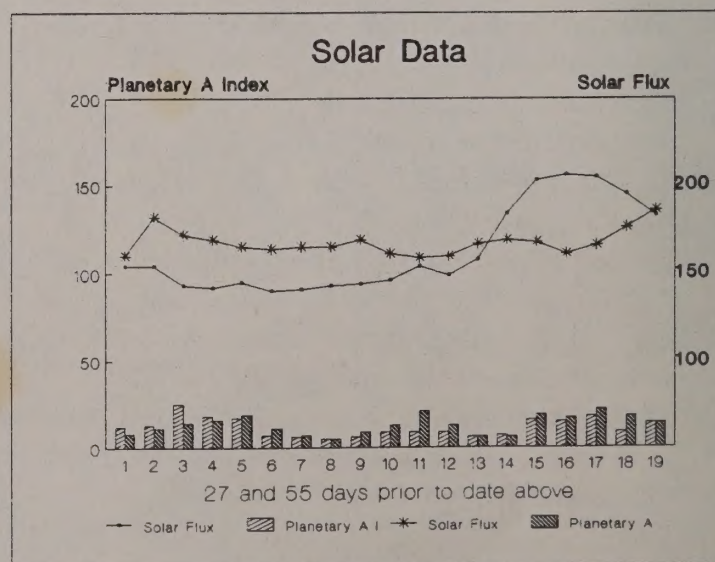
Following up on the note in Issue 635, several DXers have reported received their USSR amateur listings, after being ordered in September. Anyone who ordered the book and who hasn't received same should contact EVM World Trading Inc., 8023 19th Avenue, Apt. 5B, Brooklyn NY 11214.

### Radio Club Zarya Pennant

Young Radioamateur's Club Zarya is offering a pennant to celebrate their 15th anniversary. Make two contacts with amateurs in the Voronezh region (UA3Q) or one contact with the club station UZ3QYA after Jan. 1, 1990. Send application and US\$5 to Joel levy W9NTU, 8 Waterloo Drive, Morris Plains NJ 07950. Send a copy of the application (no money) to Award Manager Alex Valchenko RA3QR, P.O.Box 73, Voronezh, 394000 Russia. A list of the eligible callsigns for the award is available for an SASE from The DX Bulletin.

### Dayton Wrap-Up

Hundreds of DXers survived another Dayton Hamvention®. Among the DX high points: lots of smiling amateurs clutching XYØRR and D2ACA QSLs; the long line of amateurs waiting patiently for their XYØRR cards; the excellent VP8SSI presentation; the DX Dinner Friday night, with the DX countdown including two dozen DXers still standing at 358 all-time countries, 13 at the 363 level, and four at 369: W9JUV/369, W8JBI/369, W7MB/375, and W6HX/376 (out of 377); and an excellent spoof of The DX Bulletin. The latter included such 'news' stories as the DXCC computer accidentally deleted all DXers' DXCC records, forcing everyone to start over; Don Miller taking over Don Search's old DXCC job; VOA buying K5US's antenna farm to improve their signal; Donald Trump buying the QSL rights to Romeo's operations; the Colvins forced in activating counties instead of countries, and much more. Ask authors W8TN and KØCS for a copy.





# B • A • N • D • P • A • S • S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. \* = long path. P = packet.  
All "portable" calls listed with country of operation first, regardless of format used on the air.

S	M	T	W	T	F	S
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16

## RTTY

6W1QB	21090	2330	11	OH
J88BS	14089	0033	21	SC
TA5C	21082	1455	20	CA
VO2AA	14085	0110	15	SC
VO2AA	21084	1850	17	CA
Zone 2				
Z21GZ	14093	1440	20	CA
ZA1TAA	14084	0355	12	SC

## 80 Meters

HF0POL	3502	0017	17	MA
HF0POL	3502	1010	18	NH
South Shetlands				
JA1CGM	3504	1020	17	NH
TU2MA	3507	2344	15	MA
UL7JW	3507	2341	16	MA

## 75 Meters

D44BC	3795	0418	22	AZ
VK6LK *	3798	2240	16	MA

## 40 Meters

3X0HNU	7005	2255	17	GA
6W1QB	7180	0615	26	AZ
9K2WR	7066	0239	18	CT
HC5AI	7007	1111	14	AL
HF0POL	7003	1055	16	NY
South Shetlands				
HS0AC	7005	1201	13	AL
JT1CS	7002	1252	21	AZ
YN/	7003	0129	19	IL
SM0OIG				

## 30 Meters

3X0HNU	10105	0038	18	AL
7Q7XX	10105	0138	20	CT
KH3AE	10107	0450	23	AZ
KH3AE	10104	1205	15	CA
OX3BV	10103	0719	18	OH
ZA1TAJ	10105	0210	20	GA

## 20 Meter CW

3A2CL	14015	2215	17	GA
3B8FG	14019	0232	19	MA
3B8FG *	14020	1241	15	IL
3X0HNU	14003	0527	26	AZ
4K2OKV	14029	0150	15	CA
4S7CF	14028	0113	17	GA
4S7CF	14029	1154	19	GA
4S7WP	14004	1135	18	MI
4S7WP	14005	2245	15	MI
5R8GW	14010	0340	21	AZ
5R8GW	14011	1245	18	IL
7X2FK	14020	0520	16	NH
8R1J	14014	1333	19	AZ
9J2SZ	14007	0433	17	CA
9K2MU	14025	0030	24	GA
9V1YS	14015	1414	17	CO

A71AZ	14011	0210	23	MN
BV2TA	14025	1107	18	MI
BV4CT	14029	1230	17	IL
FK8FG	14025	0742	18	IL
FK8FG	14017	1122	17	MA
FR5GG	14019	1339	18	MN
H44AP	14028	1128	14	AL
HL5AP *	14025	1035	20	GA
HS1EUY	14041	1326	17	WI
JW0C	14003	1024	19	WV
JW0E	14025	2304	18	MN
OX3BV	14027	1124	16	GA
OX3TW	14026	0130	19	GA
OY7ML	14020	1116	16	MA
P29DK	14014	0806	17	WI
PZ1AP	14029	0201	16	GA
RM8MW	14024	1543	19	AZ
TA3D	14011	0140	18	GA
TF3DX	14036	1127	16	GA
TU2MA	14021	0151	19	VA
UA8TAA	14025	1142	20	GA
UA0KG	14008	1157	18	WV
UI8T	14012	2307	14	MI
UI9AAB *	14051	1223	18	IL
VP2MLD	14048	0341	15	MI
VU2BGS	14009	1217	23	MN
VU2DXX	14020	0132	14	SC
VU2HJA	14008	0035	21	GA
VU2TE	14015	0020	22	MN
VU2TTC	14022	1240	24	MN
XX9GD	14041	1325	17	WI
YA/	14043	0055	21	GA
OK1IAI	14015	2327	23	MN
ZA1TAJ	14024	0045	18	GA
ZP6CW	14026	0212	20	WV

## 20 Meter SSB

4S7EA *	14185	1215	18	IL
8R1/	14243	0305	21	AZ
G4SMC				
9K2GS	14196	0316	18	MD
A41KJ	14190	1256	18	IL
A41KR	14243	0151	13	CA
A71BY	14191	0017	21	SC
KC4AAA	14297	0354	16	MI
South Pole				
KH0AC	14219	1212	19	VA
P29KN	14250	1227	18	OH
S92AA	14255	0202	19	MD
VU2RAK *	14199	1249	18	IL
XX9GD	14195	1540	14	CA
ZA1TAG	14255	2105	15	NY

## 17 Meter CW

3B8CF	18085	0429	20	SC
3B8FG	18075	0450	18	SC
4N2AJ	18070	1204	19	WV
Croatia				
5U7M	18074	1255	16	OH
JW0C	18075	1730	18	SC
UJ8KA	18045	1328	15	SC
V85KX	18085	1541	22	CT

YA/	18090	1320	15	SC
OK1IAI	18090	2259	19	SC
ZP6CW	18073	0206	16	AL

## 17 Meter SSB

5H3RA	18123	2235	19	WI
7Q7XX	18145	2153	18	CT
A45ZZ	18150	0347	17	WI
A71AL	18138	1959	18	VT
A92BE	18155	2035	15	NY
Y11AL	18132	2213	18	CT
Y11RM	18133	2045	18	VT

## 15 Meter CW

3B8FG	21020	0324	12	CA
3X0HNU	21015	1339	14	OH
3X0HNU	21013	2236	17	MN
4S7NE	21006	2305	17	MN
4S7WP	21022	2243	23	MN
5H3YT	21017	0410	17	WI
6W6JX	21026	0030	19	CA
7P8SR	21042	2024	18	MN
7Q7LA	21005	2026	18	MN
7Q7TA	21011	2203	17	MN
7X2CR	21008	1112	18	WV
9K2MU	21038	0005	17	CO
9K2ZR	21010	1758	18	MN
9M2NA	21010	0250	25	GA
9X5HG	21022	0144	16	AL
BY4RB	21023	0019	22	WA
EA9UK	21003	1715	17	MI
FR5GG	21020	1201	18	AL
FS4PL	21004	0211	20	AZ
HK0NAF	21021	1540	19	CA
HK0NAF	21020	2245	23	MN
HS1CDX	21040	0400	15	SC
JW0C	21008	1510	18	GA
S92AA	21021	1959	18	MN
TF3GBN	21029	2140	16	CO
UA0KG	21005	0035	18	MN
UA0YO	21001	0105	18	SC
Zone 23				
UA8TAA	21017	0045	18	MN
UI8QA	21007	0225	15	CO
UI8T	21016	1305	16	MI
VU2NTA	21018	0340	17	IL
YA/	21015	0233	18	CO
OK1IAI	21017	1223	16	AL
YN/	21016	1348	19	MN
SM0OIG				
Z21HS	21015	2058	16	CO
ZP6CW	21029	0150	18	GA

## 15 Meter SSB

7X2DG	21352	1327	17	MN
7X2DS	21292	1750	17	IL
9K2MC	21230	2037	21	MN
9K2WR	21320	2125	17	MN
9M2SH	21286	1821	20	MD
9M8AJ	21252	1530	16	NY
9X5HG	21225	0300	26	AZ
9X5JA	21227	2017	19	MD

A22BW	21284	2007	17	IL
BV4QA	21301	0355	17	IL
CE0YFL	21269	0531	18	IL
Easter Island				
FH8CB	21306	2115	17	CA
FR5EL	21238	0344	18	MN
H5AW	21215	1718	20	MD
HS1BV	21306	1940	19	CT
S92LB	21222	2055	15	MN
TR4RG	21332	1708	17	IL
VQ9JY	21376	2140	17	MD
YA/	21296	0215	13	WI
OK1IAI				
ZD7DP	21266	2255	17	SC

## 12 Meter SSB

5N0CEP	24938	1628	19	CT
TZ6NU	24946	1639	19	CT

## 10 Meter CW

5Z4FM	28020	2043	16	SC
7P8SR	28012	1746	16	NH
BV2DJ *	28033	1252	18	AL
C9RAJ	28014	1540	18	IL
FR5GG	28020	1605	19	GA
HZ1HZ	28021	1614	19	GA
PZ1DY	28025	1538	19	GA
XQ0YAF	28010	1755	19	GA
XQ0YAF	28010	2347	19	CT
Easter Island				
XT2BW	28037	1524	19	GA
Z21HS	28014	1610	19	GA
ZD8LII	28019	2342	19	WV

## 10 Meter SSB

5H3RS	28403	2000	19	GA
6W1PZ	28445	1045	19	ME
6W6JX	28472	1723	19	CT
8R1/	28550	1212	18	FL
G4SMC				
9K2ZR	28464	1645	18	ME
A22JP	28452	1654	18	ME
A71BK	28515	1455	15	NY
BV2FP	28495	1110	16	NY
HF0POL	28473	1235	16	NY
South Shetlands				
PZ1DY	28488	1358	17	IL
TU2ZC	28349	1258	18	ME
TZ6VV	28503	0150	18	IL
VP8CFM	28485	1617	19	ME
South Orkneys				
YB0WWL *	28495	1315	17	IL
YI1BGD	28520	1139	16	AL
YI1RM	28506	1549	18	MD
ZD7DP	28393	1345	19	IL
ZD7SM	28475	1608	19	ME
ZD8JIM	28601	1440	15	MN
6 Meters				
3D2PO	50110	2045	16	CA
FO5DR	50101	2350	14	CA



**Current and Future DXpeditions**

(Changes and hot info in boldface.)

<u>DXCC Country</u>	<u>Prefix</u>	<u>Callsign</u>	<u>Dates</u>	<u>Issue</u>
American Samoa	KH8	AA5K, JA3JA	May 29-June 1	I636
Antigua	V2	V29PI	Now	I631
Azores	CU	CU35MB	May 2-3	I636
Burkina Faso	XT	XT2BW	one year	I628
Cayman Islands	ZF	ZF8DX 9JE	May 5-19	I634
Crete	SV9/	SV1AHH	Apr.18-May 2	I634
Fiji	3D	3D2QB	28007 01Z	I622
Franz Josef Land	4K2/	UV3AAC	Now	I625
Guadeloupe	FG/	N2HNQ	Apr.28-May 1	I634
Guernsey	GU	GU0ING+	May 1-9	I635
Guyana	8R1/	G4SMC	to mid-May	I634
ITU Geneva	4U7ITU		May 1-3	I634
Ivory Coast	TU	TU4SR	to mid-June	I636
Johnston I.	KH3	AH3C	May 3-9	I635
Kuwait	9K	9K2WR	to July	I620
Liechtenstein	HB0/	DLs	to May 3	I636
Marshall Islands	V73/	KB6CC	Now	I633
Micronesia	V6	V63BW	May 2-9	I630
		V63YK	Apr. 27-May 3	I632
		V63MS	May 1-4	I635
		V62DX/CW	May 22-28	I636
Nevis & St. Kitts	V4/	JAs	Apr. 29-May 3	I631
Pakistan	AP/	WA2WYR	Now active	I619
Sao Tome	S9	S92IJ	28495 13Z	I630
Seychelles	S7	S79CK/D	to May 5	I636
Svalbard	JW	JW5NM	May 4+	I632
Tonga	A3	A35J/K	June 1-5	I636
Tromelin	FR/T	FR4AI/T	Soon?	I635

**Operating Events and DX Gatherings**

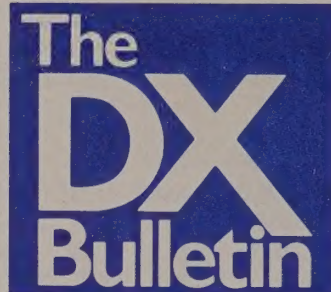
<u>Dates</u>	<u>Event</u>	<u>Reference:</u>
May 2-3	Italian DX Contest	<u>CQ</u>
May 2-3	Texas QSO Party	<u>CQ</u>
May 8-9	CQ Mir Contest	<u>I635</u>
July 17-19	DXPO Atlanta GA	
July 24-26	Northwest DX Convention, Seattle WA	
Aug. 21-23	ARRL National, Los Angeles	
Aug. 28-30	New Orleans DX Convention	
Oct. 10-11	DXPO 92, Washington DC	

**Contributors**

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, 9X5HG, AA5NN, AE1Q, CU3AN, JA7HMZ, K0CVD, K1HDO, K1IK, K1VWL, K3ZPG, K4BAI, K4II, K4IQJ, K4LNA, K6ICS, K6IR, K6ZH, K7EFB, K7EX, K8CV, K8OQL, KA1MUY, KA7T, KB4GYT, KD7SO, KM9J, KN4FY, KR7L, KT7H, N0ISL, N1HN, N2GLH, N4UU, N6JQL, N8AGU, VE7COP, W0JRN, W0RXL, W1AW, W1BFT, W1FV, W1HH, W1NH, W4ZYT, W6BJI, W6UQF, W7AYY, W8CT, W8MEP, W9HAO, W9NTU, WA2MZX, WA2VKS, OK-DXpress, DXpress, Japan DX News, DXNS, and WB8YJF. Thanks for your help! -chod.

**Resident Amateurs on Regularly**

<u>DXCC Country</u>	<u>Callsign</u>	<u>Freq.</u>	<u>UTC</u>
Afghanistan	YA/OK1IAI	21015	02, 1230Z
Albania	ZA1TAJ	20M CW	0045Z
Botswana	A22JP	28460±	1700Z
China	BY4RB	21022	0020Z
Easter Island	XQ0YAF	28010	18, 2345Z
Guinea	3X0HNU	7006	2300Z
India	VU2HJA	14005±	0030Z
Iraq	YI1BGD	28513	1140Z
Kuwait	9K2WR	21320	2130Z
Lesotho	7P8SR	28020±	1745Z
Lesotho	7P8SR	21030±	2030Z
Macao	XX9GD	14040	1330Z
Malawi	7Q7RM	28021	2020Z
Malawi	7Q7BX	28480	1200Z
Mali	TZ6VV	28503	0130Z



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<u>DXCC Country</u>	<u>Callsign</u>	<u>Freq.</u>	<u>UTC</u>
Mauritius	3B8FG	21018±	0330Z
Mauritius	3B8FG	14020	0230Z
Mayotte	FH8CB	21306	2100Z
Mongolia	JT1CS	7003	1300Z
New Caledonia	FK8FG	14018±	0745, 1120Z
Oman	A45ZZ	18140Z	0200Z
Oman	A47RS	21317	1600Z
Sao Tome	S92LB	21220	2100Z
South Shetlands	HF0POL	28473	1230Z
Sri Lanka	4S7WP	20M CW	1130-1200Z
Sri Lanka	4S7WP	20M CW	2245-0020Z
Sri Lanka	4S7WP	21026±	2245Z
Taiwan	BV4CT	15025±	1230Z
Tanzania	5H3RA	18122	2230Z
Thailand	HS1EUY	20M CW	1330Z
Uzbekistan	UI8T	14010±	23-0100Z
Zimbabwe	Z21HS	21018±	2100Z